

Septenber 28, 2007

Sent via email

Eric Johnson
U.S. Environmental Protection Agency
Region 8, 8ENF-T
999 18th Street, Suite 300
Denver, Colorado 80202-2466

RE:

Progress report for August 2007 activities - Hecla Mining Company Apex Site (EPA

ID No. UT982589848, Docket No. RCRA-8-99-06)

Dear Mr. Johnson:

Per paragraph 64 of the Order, enclosed is a copy of the August 2007 progress report for your records.

If you have any questions please do not hesitate to call me at (208) 769-4112 or e-mail at pglader@hecla-mining.com.

Sincerely,

Paul L. Glader

Manager Environmental Services

Encl

Cc:

HMC Legal Dept (w/o attachments)

John Jacus, Esq. (DG&S)



September 28, 2007

Sent via U.S. Mail

Glenn Rogers, Chairman. Shivwits Band of Paiute Indian Tribe P.O. Box 448 Santa Clara, Utah 84765

John Krause Bureau of Indian Affairs Phoenix Area Office U.S. Department of Interior P.O. Box 10 Phoenix, AZ 85001

Kelly Youngbear BIA Southern Paiute Agency P.O. Box 720 St. George, UT 84771

RE: Progress report for August 2007 activities - Hecla Mining Company Apex Site (EPA ID No. UT982589848, Docket No. RCRA-8-99-06)

Dear Chairman Rogers, Mr. Krause and Ms. Youngbear:

Per paragraph 64 of the Order, enclosed is a copy of the August 2007 progress report for your records.

If you have any questions please do not hesitate to call me at (208) 769-4112 or e-mail at pglader@hecla-mining.com.

Paul L. Glader

Sincerely

Manager Environmental Services

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Cc:

HMC Legal Dept. (w/o attachments)
John Jacus, Esq. (DG&S) (w/o attachments)
Eric Johnson (USEPA, Region VIII) (w/o attachments)



MEMORANDUM TO:

Apex File

COPIES TO:

distribution

FROM:

Paul Glader

SUBJECT:

Progress Report No. 40 for period ending August 31, 2007; Pond 2 Final Closure - Apex Site, Washington County, Utah

Summary

The 19th visual inspection, per the long term monitoring plan, was conducted on August 11. No unusual conditions were noted.

The settlement monuments were surveyed September 26 by Alpha Engineering Company, no appreciable settlement was noted.

Discussion

1. Surface Monitor Results To Date – Since monitoring of the top surface began (Jan 4, 2006), there has been no appreciable movement in the surface monuments at the Apex site.

Work Planned for Next Period

- 1. Visual inspection of site.
- 2. Settlement monument survey quarterly basis.

Sampling and Analysis in Period

Field Tests, Inspections & QA/QC

- 1. The 19th post closure site inspection was done on August 11; a copy of the inspection report is included in the Supplemental Attachments section.
- 2. The monuments were surveyed on September 26.

Cost and Schedule

Committed costs in August 2007 were \$275. Total project to date committed is approximately \$1,245,000. The cost report for August is attached.

Current status of the deliverables listed in the RCRA 7003 order includes:

Deliverable	Reference Paragraph	Due	Remarks
Post warning signage around perimeter of site	57	15 days after effective date of order	Work completed on March 9, 2004
Begin implementation of closure plan	63	45 days after receipt of filing of order	Work started on February 23, 2004
Monthly progress reports	64 .	28 th day after close of month	Requirement in effect after order is filed.
Completion report	66	30 days after completion of all closure plan tasks	Construction completion report submitted on 3/13/2006. A follow-up report to be issued after end of monitoring period.

The update of the schedule milestones includes:

Milestone	Target	Actual	Remarks	
Issue bid package – Phase I (Sump Drains)	6/14/04	6/15/04	Portion of RFP materials issued at pre- bid on 6/14/04; remainder sent via courier	
Issue RFP package - Phase III	6/24/04	6/24/04		
Award contract for Phase I	6/24/04	6/29/04	Date contract was shipped to Hughes	
Pre-bid meeting - Phase III	7/19/04	7/19/04		
Start Phase I (Sump Drains) construction	7/12/04	7/19/04	·	
Start Phase II (Evaporation)	7/19/04	7/29/04		
Receive bids for Phase III	8/2/04	8/2/04		
Re-bid Phase III contract package	April 2005	4/27/05	Date bid package was sent to Hughes	
Start Phase III construction	End of August 2005	8/29/05	Start of contractor mobilization	
Complete Phase III construction	Dec 23rd 2005	12/23/05	Completion of contract scope of work	
Issue Construction Completion Report	Week of 3/13/2006	3/13/06		

Supplemental Attachments

- 1. August 11, 2007 long term inspection report, by D. Truman.
- 2. August Cost Report
- 3. Monument monitoring September 26, 2007 report attached, by Alpha Engineering Company.

Annual Site Inspection Summary Sheet - Apex Site - Pond 2

Hecla Mining Company - Long-Term Maintenance and Monitoring Plan

Form 1 of 4 - Summary

Date:	-11-0	7	-	
Inspector:	Trun	norr S		
Cover System Component	Pe	otential Problem	Allowable Limits	Limits Potentially Exceeded
Site Perimeter	Erosion or	or Fencing Issues	NA .	NA
	Subsidence		Minor: ponding < 1" some guilying / erosion	Yes <u>V</u> ° No
	Subside	.e	Significant: see Table 2	Yes* No y_
	Embankm	nent Slope Stability	excessive movement or surface cracks > than 1"	Yes• No <u>√</u>
		on top	depth > 1"	Van + Na 90
Cover System (outslopes, top,		at embankment crest or on outslope	depth > 2"	Yes No 50
rock)	Gullying	w/in normal flow channel in diversion channel	no guilying allowed	Yes No 🏌
		w/in diversions at toe of impoundment outslope.	no gullying allowed	Yes No 👸
		in diversion channel at any other location	NA	NA r
	Erosion Protection Stability		rock subsiding or missing	Yes No ≼
	Seepage		no colored seepage allowed (red, blue, yellow w/ crystallization)	Yes No 💫
	Diversion (Channel	rock in place, channel not moving, fence stable	Yes 😢 * No
Runoff Control System	Diversion S	Swales	rock in place, no silting in or head cutting	Yes 🎾 * No
	Excessive silt build up at fence fines in diversion channel		allowed if not effecting cover system	Yes 🗽 * No

^{*} Mark all areas of concern or requiring repairs on attached site map.

Annual Site Inspection - Apex Site - Pond 2

Hecla Mining Company - Long-Term Maintenance and Monitoring Plan Form 2 of 4 - Site Perimeter

	Inspection Date:	10-11-07	
		Truman	
<u></u>	Inspector:	<u> </u>	
		Visible Outlying Areas	
Observed Condition:	Had Som mond	flooding amond oround the	The 25 of the
Observed Damage:	mina gullying.		
·		•	May require repair: Yes* No %
	Property Boun	dary Fence and Gate (walk fer	nce line)
Observed Condition:	Forks - Losy		1
Observed Damage:	Ness-		
Potential Corrective Actions:	Je me		
			May require repair: Yes No 🏃
·	All Upgradient	Areas (areas that drain onto p	roperty)
Observed Condition:	Looked fine		
Observed Damage:			
			May require repair: Yes No 2/2

^{*} Mark all areas of concern or requiring repairs on attached site map.

Annual Site Inspection - Apex Site - Pond 2

Hecla Mining Company - Long-Term Maintenance and Monitoring Plan

Form 3 of 4 - Impoundment

	Inspection Date:	•	
-	Incontr	Outslopes	
Observed Performance:	Rock Cover Subsidence:	Yes No 💫	May require repair: Yes * No y
· .	Excessive Slope Movement (' '	May require repair: Yes No
-	Gully Development:	Yes	May require repair: Yes No
	Observable Leachate (colore	d): Yes No 50_	May require repair: Yes No X
	Excessive Siltation (at slope	toe): Yes No <u>u</u>	May require repair: Yes* No 💆
Observed N Damage:	rate.		
Potential Corrective A Actions:			·
		Top (top surface soils)	
Observed Performance:	Cracking (>1" width):	Yes No 10	May require repair: Yes No
	Settlement / Evidence of Pon	ding: Yes No g	May require repair: Yes No
	Erosion / Gullying:	Yes	May require repair: Yes No 💥
Observed Damage: #	nina jullying		
Potential	y me		:
	,	Erosion Protection Layer (rock)	
Observed Performance:	Rock Staying in Place: Yes	s <u>70</u> No	May require repair: Yes No
	Rock Subsiding: Yes	s _ No ¥	May require repair: Yes No
	Missing Rock: Yes	s_No re	May require repair: Yes No
Observed Damage: N	ne		
Potential Corrective Actions:	ine		

mark all areas of concern or requiring repairs on attached site map.

Annual Site Inspection - Apex Site - Pond 2

Hecla Mining Company - Long-Term Maintenance and Monitoring Plan Form 4 of 4 - Diversion Channel and Swales

Date: \$ - Inspector:	11-07		
	·	Diversion Channel	·
Observed Performance:	Erosion Protection in place:	Yes <u>n</u> No	May require repair: Yes* No p
	Normal Flow Channel in place:	Yes v No	May require repair: Yes No
·	Encroaching on Site Fencing:	Yes No vo	May require repair: Yes No
Observed Damage:	10N=		
Potential Corrective Actions:	furt-		,
·		Diversion Swales	
Observed Performance:	Erosion Protection in place:	Yes X1 No	May require repair: Yes* No 🏠
	Flow Channel Silting In:	Yes No <u>V</u>	May require repair: Yes* No 🎾
	Head Cutting:	Yes No	May require repair: Yes No 💆
Observed Damage:	fune		
Potential Corrective (X.) Actions:	rope.		
		'	

^{*} Mark all areas of concern or requiring repairs on attached site map.

Activity	2004 Budget	Revised Budget May 2004	Committed Cost this Period	Cumulative Committed Cost To Date 8-31-07	Forecasted Cost To Complete	Forecasted Final Cost	Remarks on Forecast to Complete
hases (through III (completed February 2006) Phase I - Drain Excess Liquid From Tailings	189,200	72,700		67,928	0	67,928	
Phases II, IIA + IIB - Evaporate Excess Liquid	6,000	8,000		242,882	0	242,882	
Phase III - Regrading & Final Cover System	337,000	342,050		504,742	. 0	504,742	
Field Indirect Costs	164,500	213,568		378,517	0	378,517	Includes Jan + Feb 2006 long term monitoring cos
Heda Costs	18,700	18,700	0	33,324	0	33,324	
Subtotal Phases I through III	715,400	655,018	Ò	1,227,393	0	1,227,393	
ong Term Monitoring (through FY 2010) São Inspections Settlement Monitoring Consultant Support:			275 0			4,685 10,125	
Annual Setecthical Engineer Inspections Vegetation Monitoring Site Conditions Review - MEI Site Conditions Review - SVL Analytical			0 0 0	2,495 0 3,161 2,079	20,000		Includes settlement monitoring data analysis Allowance for surveys in FY 2007, 2009 and 2010
Maintenance: Erosion Repair Allowance Overseeding Allowance			. 0	0	\$	7,500 9,920	
Hecla Project Management Costs: Labor Travel expenses			0	2,266 0	7,909 1,312		The state of the s
Subtotal Long Term Monitoring	0	0	275	17,614	71,938	84,312	
Total Pond 2 Final Closure	715,400	655,018	275	1,245,007	71.938	1,311,705	



ALPHA ENGINEERING COMPANY

148 East Tabernacle, St. George, UT 84770 • (435) 628-6500 • Fax: (435) 628-6553

HECLA MINING SITE MONUMENT MONITORING (AS-BUILD DATE: SEPTEMBER 26, 2007)

Monument #	Northing	Easting	Elevation	Remarks
#1	10121.35	10130.72	3685.61	Top alum. cap
#2	10146.01	10277.47	3685.73	Top alum. cap
#3	10092.31	10417.33	3686.03	Top alum. cap
#4	9966.65	10489.50	3685.71	Top alum. cap
#5	9865.67	10437.08	3686.44	Top alum. cap
#6	9807.81	10293.13	3686.29	Top alum. cap
#7	10013.31	10283.62	3686.99	Top alum. cap
#8	9989.92	10130.34	3685.74	Top alum. cap
#9	9862.83	10149.33	3685.63	Top alum. cap
#10	10006.02	9997.80	3678.00	Top alum. cap
#11	9964.22	10309.03	3684.59	Top alum. cap



Donna Jackson/P2/R8/USEPA/US 10/01/2007 08:00 AM

To Ericr Johnson/ENF/R8/USEPA/US@EPA, Amy Swanson/ENF/R8/USEPA/US@EPA CC Rebecca Perrin/P2/R8/USEPA/US@EPA

bcc

Subject Re: Fw: Apex - Report for August 2007

Hi Eric & Amy,

Rebecca Perrin is now the project officer for the Paiute Tribes. Please forward all information to her. Thanks.

Donna Jackson
Tribal Program Manager
U.S. Environmental Protection Agency
Region 8
1595 Wynkoop Street
Denver, CO 80202-1129
Phone: 303-312-6281

Phone: 303-312-628 Fax: 303-312-6064

Ericr Johnson/ENF/R8/USEPA/US

Ericr Johnson/ENF/R8/USEPA/US 10/01/2007 07:10 AM

To Amy Swanson/ENF/R8/USEPA/US@EPA, Donna Jackson/P2/R8/USEPA/US@EPA

CC

Subject Fw: Apex - Report for August 2007

---- Forwarded by Ericr Johnson/ENF/R8/USEPA/US on 10/01/2007 07:09 AM ----



"Paul Glader" <pglader@hecla-mining.com

To Ericr Johnson/ENF/R8/USEPA/US@EPA

CC

09/28/2007 05:58 PM

Subject Apex - Report for August 2007



Apex Pond 2 · progress rpt 40 complete, august 2007.pdf